Project											
Date	Contract Numb	er	Section Nu	mber			Count	_			
04/21/25	68K24		72(7-9)L			F	Peor	ia			
Marked Route					ipality						
I-74 - Ramp	G4 Tunnel - [	Daytime Li	ghting	Pcor	ia						
Roadway Lane Width (se		ber and Dire	ection of lane		Media NA	n Width	$\neg \vdash$	Surface Classi	fication	Q-Zero Value	
Structure	114	110 111 0110	direction		147.					0.07	
	ht Arm Length	Set-Back (s	see note 1)	Nur	mber c	f Lumina	ries				
15.25	NA	5		NA							
Luminaire Description				Trans	verse	Distribut	ion		Latera	l Distribution	
	inaire 1 - Lum	en Output	≤ 22.000	Туре					Shor		
	ss Factor (LLF)	B-U-G Ra		71		Shields				Dimming Protocol	
0.65	, ,	NA				NA				0-10V	
		Ur	niformity Rat	io, Eave	/Емін						
								P 1 1			- P - 1 - W
Average Lumin ≥ 100	y Ratio, Lave	y Rado, Eaverenin Silin			ormity Ratio, Lmax/Lmin			Veiling Luminance R ≤ 0.2	atio, Lv/L		
		≤ 2.0				<u> </u>				<b>⊒</b> 0.∠	
	oass (see notes DW (behind pole)		ontal Illumin	ance at	ROW	Fн		Max Vertical	Illumina	nce at ROW, Ev	
NA	ovv (pormia polo)	N/A	ornar marrin	arroo at	11011	,		N/A	marimia	1100 01 110 11, 27	
<ol> <li>Lighti</li> <li>Perfo the gi</li> <li>Lane</li> <li>Comp</li> <li>Photo</li> <li>Light grade</li> </ol>	ven conditions list width is the width bliance with perfor metric calculation trespass calculation and vertical calcu	all be perforents shall be ted above. of each indimance criter is for roadward ons shall be ulations performed.	med with all the minimur ividual larre, ria shall be h ays shall be performed v ormed with o	n acception of the control of the co	ptable be cor one sig ned wit otal ligh	standard  Ifused with inificant of the state	ith toldigit. light ctor coed the	photometric polar lal roadway with loss factor of to of 1.0 and with ree feet above	erformal idlh. 0.7 i horizor e grade.	nce for the luminaire,	ormed at

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Date	Contract N	Jumber	Section Nu	mber		ounty		
04/21/25	68K24		72(7-9)L			eoria		
Marked Route	Number		II.	Municipality	11	00110		
I-74 - Ramp		l - Nighttime	Lighting	Peoria	V-			
Roadway			gg	- cond				
Lane Width (se	e note 4)	Number and Di	rection of lane	s Media	n Width	Surface Cla	ssification	Q-Zero Value
16 1 lane in one			NA		R3		0.07	
Structure								
Mounting Heigh	nt Arm Len	gth Set-Back	(see note 1)	Number	of Lumina	ries		
15.25	NA	5		NA				
Luminaire	11	11		11		1		
Description				Transverse	Distributi	on	Latera	l Distribution
Tunnel Lumi	naire 2 - L	umen Outpu	ıt ≤ 7,500	Type III			Shor	t
Total Light Los	s Factor (LL	F) B-U-G I	Rating		Shields			Dimming Protocol
0.65		NA			NA			0-10V
Layout								
Spacing		Configuration						
30ft		Opposite						
Performance	(see note:	s 5 and 6)						
Average Illumir	nance, E <sub>AVE</sub> (	fc)	Jniformity Rat	IO, EAVE/EMIN				
N/A			N/A					
Average Luminance, Lave (cd/m²) Uniformi			mity Ratio, Lave/Lmin Uniforn			y Ratio, Lmax/Lm	IN	Veiling Luminance Ratio, Lv/L
Trolago Lullilli	≥ 2.5			≤ 3.5				≤ 0.2
≥ 2.5	ass (see n	otes 5 and 7)						
≥ 2.5 Light Tressp				ance at ROW	/, Ен	Max. Vertic	cal Illumina	nce at ROW, Ev
≥ 2.5 Light Tressp Distance to RO				ance at ROW	/, Ен	Max. Vertic	cal Illumina	nce at ROW, E <sub>V</sub>
≥ 2.5  Light Tressp. Distance to RC  NA  Notes  1. Set-Ba 2. Lightir 3. Perfor the giv 4. Lane 5. Compi 6. Photor 7. Light tr grade 8. Lumin mount	ack is from E g calculation mance requiren condition width is the violation with the violation calcularespass calcular depth of the calculation	ole) Max. Hor N/A  Indige of Pavements shall be performents shall be sisted above. Width of each in erformance critations for roady ulutions shall be calculations performents and the shall be calculated and the shall be calcul	ent (white line) cormed with all be the minimur dividual lane, eria shall be h ways shall be e performed w rtormed with o tended to defin	luminaires on acceptable not to be co eld to one signer operformed with a total ligual culation pone the lumina	riented to standard nfused wi gnificant c total l ht loss fac ints locate aire and de	ward and perpe s of photometric th total roadway igit. ight loss factor totor of 1.0 and ve and three feet ab	ndicular to c performal v width. of 0.7 vith horizor ove grade. arily match	the roadway. nce for the luminaire, based or

Project												
Date	Contract	Numbe	r	Section Nu	mber		C	Cou	nty			
07/14/25	68K24			72(7 <b>-</b> 9)L			F	Pec	oria			
Marked Route N	lumber			11-	Mun	icipality	/					
I-74					Ped	ria						
Roadway										0.		
Lane Width (see	e note 4)	Numbe	er and Dir	ection of lane	s	Media	an Width		Surface Class	sification	Q-Zero Value	
12 FT	2 FT 2 LANES IN 1			1 DIRECTION N/A					R3		0.07	
Structure												
Mounting Heigh	t Arm Le	ngth S	Set-Back	(see note 1)	Nu	umber	of Lumina	ries	5			
22 FT	2 FT N/A 0 FT N/A											
Luminaire	26	4.0										
Description						Transverse Distribution				Lateral Distribution		
UNDERPAS	S, LED,	OUTP	UT D		TYF	PE III				Medi	um	
Total Light Loss Factor (LLF) B-U-G Rating				Rating	Shields						Dimming Protocol	
Refer to Notes 6 and 7 U=0				N/A						0-10V		
Layout												
Spacing		Config	uration			1						
70 FT		Single	e Sided									
Performance	(see not	es 5 an	d 6)									
Average Illumin	ance, EAVE	(fc)	L	Iniformity Rati	o, Eav	E/EMIN						
N/A				N/A								
Average Luminance, Lave (cd/m²) Uniformity Ratio, Lave				ity Ratio, Lave				Ratio, Lmax/Lmin		Veiling Luminance Ratio, Lvi		
≥ 0.8 ≤ 3.5:1			1			≤ 6:1				≤ 0.3:1		
Light Tresspa	iss (see	notes (	and 7)									
Distance to RO	W (behind	pole) 1	Max. Horiz	zontal Illumina	ance a	at ROW	/, Ен		Max. Vertica	I Illumina	ince at ROW, Ev	
N/A N/A									N/A			
<ol> <li>Lightin</li> <li>Perforr the giv</li> <li>Lane w</li> <li>Compli</li> <li>Photor</li> <li>Light tr</li> </ol>	g calculation  nance requence  en condition  idth is the  ance with  netric calculation	ons sha uiremen ons liste width o perform ulations ilculatior	Il be perfo its shall be d above. f each ind ance crite for roadw	e the minimur dividual lane, eria shall be h vays shall be p	n acco not to eld to perfor	eptable be co one sig med wi	standard nfused wi gnificant o th a total	th t digit	f photometric otal roadway	performa width. f 0.7	the roadway. nce for the luminaire, based	

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mounting height, setback, or arm length.

BDE 5630 (Rev. 06/06/24)

JSER NAME = \$USER\$ DRAWN -REVISED -CHECKED -REVISED -DATE

BDE 5630 (Rev. 06/06/24)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BDE 5630 (Rev. 06/06/24)

COUNTY TOTAL SHEET NO.

PEORIA 34 34 SECTION LUMINAIRE PERFORMANCE TABLES 72(7**-**9)L I-74 WB RAMP G4 TUNNEL AND UNDERPASSES CONTRACT NO. 68K24